# BRUHAT BENGALURU MAHANAGARA PALIKE

## YELAHANKA ZONE

**NAME OF WORK : CONSTRUCTION OF RCC DRAIN AT RAILWAY STATION AND CC ROAD AT GANDHINAGARA 1st MAIN 2nd CROSS IN WARD NO.01 OF YELAHANKA SUB-DIVISION**

| Sl. No. | Description of Item | Unit | No. | L | B | D | Qty. | Estimate Cost Rs. 10.00 Lakhs Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRB 2-2.1 **Earth work excavation** for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3) | | | | | | | | |
| | for drain | Cum | 1 | 140.00 | 1.00 | 1.20 | 168.00 | | |
| | | | | | | | **168.00** | 200.34 | **33657.12** |
| | Basic Rate | 189.00 | | | | | | | |
| | Area Weightage @ 6% | 11.34 | | | | | | | |
| | Total | 200.34 | | | | | | | |
| 2 | KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No 133/ Item No 17.1) | | | | | | | | |
| | | Cum | | | | | | | |
| | Average Weight of Earth 1.28 | | | | Qty Vide Item No.1 | | **168.00** | 100.00 | **16800.00** |
| | Basic Rate Lead Charges for | 32.00 | | | | | | | |
| | Add loading and unloading Item | 68.00 | | | | | | | |
| | **Total** | **100.00** | | | | | | | |
| 3 | KSRB 4-1.3 Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No KBS 4.1, 4.2 (P.12/I.4.3) | | | | | | | | |
| | for drain | Cum | 1 | 140.00 | 1.00 | 0.15 | 21.00 | | |
| | | | | | | | **21.00** | 5159.02 | **108339.42** |
| | Basic Rate | 4867.00 | | | | | | | |
| | Area Weightage @ 6% | 292.02 | | | | | | | |
| | **Total** | **5159.02** | | | | | | | |
| 4 | KSRB 4.9.2 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 -do- TMT Bars Fe 500 P.17/It No.4.46.2 | | | | | | | | |
| | | tonne | No.of Bars | Width/Lengt | Rmtr | Kg/Rmtr | Total in Kg | | |
| | 12mm dia main bar spacing at 150mm c/c | 1 | 933 | 2.10 | 1960.00 | 0.888 | 1740.48 | | |
| | 10mm dia dist bar spacing at 150mm c/c | 1 | 14 | 140.00 | 1960.00 | 0.617 | 1209.32 | | |
| | | | | | | in Kg | 2949.80 | | |
| | | | | | | in Qtl | 29.4980 | | |
| | Basic Rate | 56050.00 | | | | in tonne | **2.9498** | 59413.00 | **175256.47** |
| | Area Weightage @ 6% | 3363.00 | | | | | | | |

| Sl. No. | Description of Item | Unit | No. | L | B | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | **Total** | **59413.00** | | | | | | | |
| 5 | KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No KBS 4.6.21 (P.15 / I.4.31 ) | | | | | | | | |
| | | Sqm | | | | | | | |
| | | | 2x2 | 140.00 | | 0.60 | 336.00 | | |
| | | | | | | | **336.00** | **310.58** | **104354.88** |
| | Basic Rate | 293.00 | | | | | | | |
| | Area Weightage @ 6% | 17.58 | | | | | | | |
| | **Total** | **310.58** | | | | | | | |
| 6 | Providing & laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs , with 20mm and down size graded granite metal,coarseaggregated @ 0.69cum ,and fine aggregated @ 0.460cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed -2008 machine mixed concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedestals,retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts,struts, buttresses, bed blocks, anchor blocks, plinths etc.,including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.specifications No.KBS 4.1.4.6 (P.No.13/ I.No.4.11) | | | | | | | | |
| | | Cum | | | | | | | |
| | for drain wall | | 2 | 140.00 | 0.15 | 0.60 | 25.20 | | |
| | bed | | 1 | 140.00 | 1.00 | 0.15 | 21.00 | | |
| | | | | | | | **46.20** | **6371.66** | **294370.69** |
| | Basic Rate | 6011.00 | | | | | | | |
| | Area Weightage @ 6% | 360.66 | | | | | | | |
| | **Total** | **6371.66** | | | | | | | |
| 7 | Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete | | | | | | | | |
| | | Sqm | | | | | | | |
| | for Drain covering slab | | 1 | 140.00 | 0.90 | | 126.00 | | |
| | | | | | | | **126.00** | **2100.00** | **264600.00** |
| | Data Rate | 2100.00 | | | | | | | |
| 8 | Miscellaneous and unforeseen charges | LS | | | | | | | **2621.42** |
| | | | | | | | **Grand Total Amount** | | **1000000.00** |

**( Rupees Ten Lakhs Only )**

Administrative Sanction for Rs. 10.00 lacs
Ten Lakhs only
is accorded under head ... P-1771-
2016-17
Registered as CE(AA)32/16-17 Subject to conditions contained in enclosed memo No. CE/AA/32/16-17
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 10.00 lacs
Rupees Ten Lakhs only
P-1771-2016-17
Registered as CE(TS)35/16-17 Subject to conditions contained in enclosed memo No. CE(TS)35/16-17 Dated 16-2-2017 10.00 lacs
Executive Engineer

**CERTIFICATE**

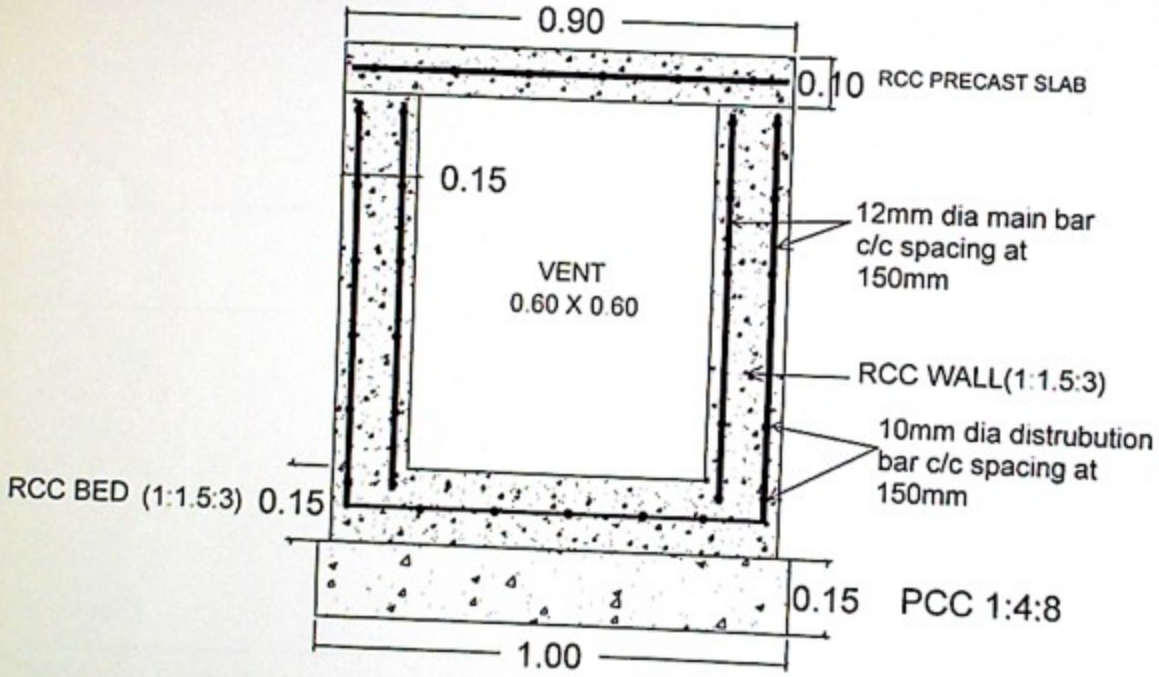
1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

**Assistant Engineer**
**Ward No.01**

**Executive Engineer**
**Yelahanka Division**
**B.B.M.P**

**Assistant Executive Engineer**
**Yelahanka Sub-Division**
**B.B.M.P**

**NAME OF WORK** : CONSTRUCTION OF RCC DRAIN AT RAILWAY STATION AND CC ROAD AT GANDHINAGARA 1st MAIN 2nd CROSS IN WARD NO.01 OF YELAHANKA SUB-DIVISION




CROSS SECTION OF RCC DRAIN

ಸಹಾಯಕ ಅಭಯಂತರರು
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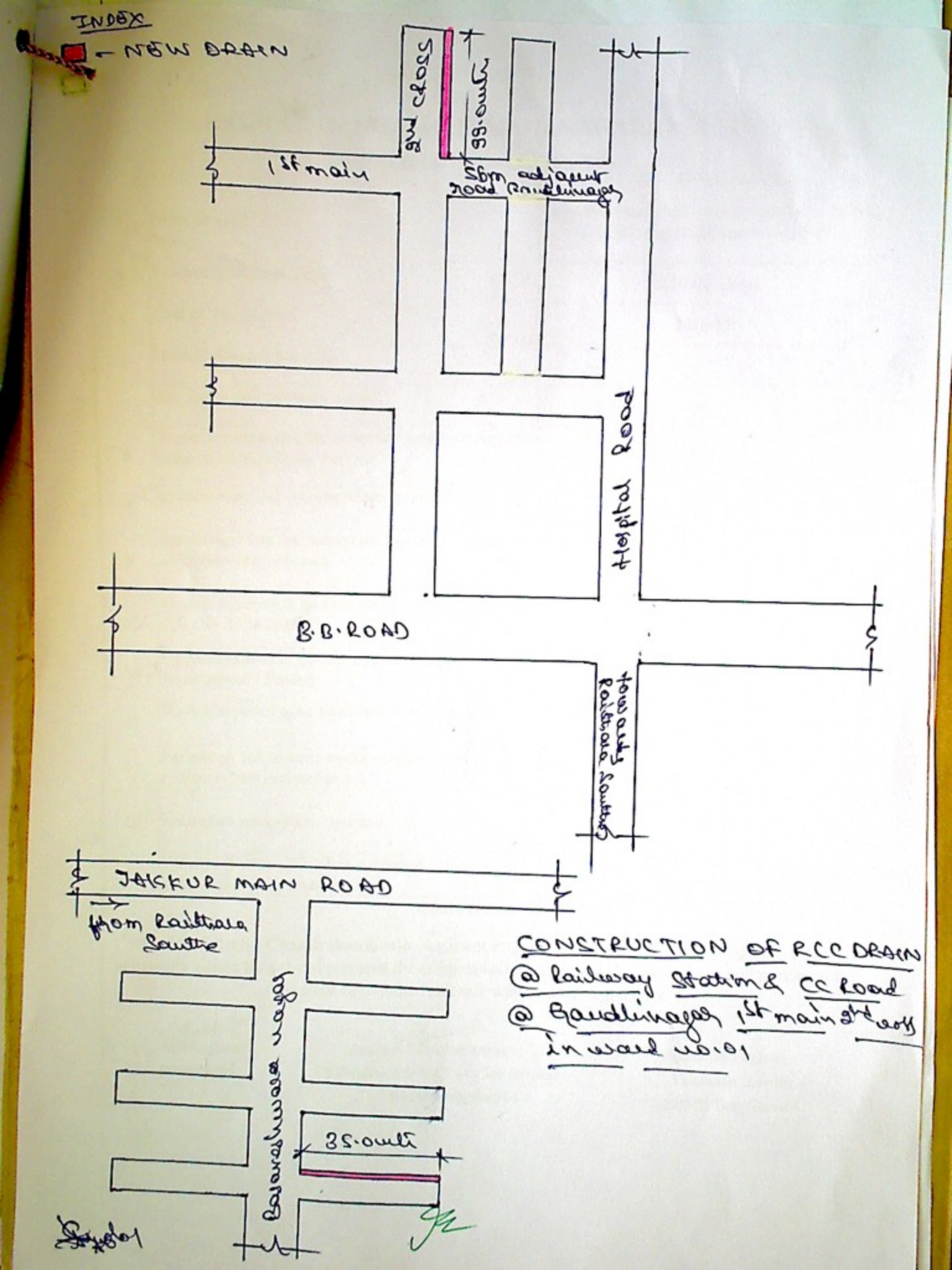
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore


INDEX
- NEW DRAIN
2nd cross
99.0mts
1st main
58m adjacent road Gandlinagar
Hospital Road
B.B.ROAD
towards Railtrack Southside
JAISKUR MAIN ROAD
from Railtrack Southside
Bavareshwara nagar
35.0mts
CONSTRUCTION OF RCC DRAIN
@ Railway Station & CC Road
@ Gandlinagar 1st main 2nd cross
in ward no.01